

ABSTRACT OF THE DISCLOSURE

A slope correction signal setting unit is configured to output selectively one of a plurality of direct current signals according to the sensed temperature parameter signal. Levels of the plurality of direct current signals are determined to correspond to the predetermined temperature dependent characteristic of the sensor signal. An analog amplifying circuit is connected to the slope correction signal setting unit and configured to amplify the outputted direct current signal according to the sensed temperature parameter signal. An analog arithmetic circuit is connected to the analog amplifying circuit and configured to carry out a predetermined arithmetic operation based on the amplified direct current signal and the sensor signal.